

**ABSTRACT OF THE DISCLOSURE**

The invention relates to a method for simulating the driving behavior of vehicles on a test stand in which the engine of the vehicle is coupled on the test stand to an electronically controllable braking apparatus and a first simulation model calculates simulation values of variables which are representative of the driving state of the vehicle in that the reaction of the vehicle to the behavior of the engine and the values of the variables as determined immediately prior thereto are calculated, with at least one evaluation variable  $w$  being calculated on the basis of the values measured on the test stand for measurable variables and engine torque  $M$  and the values calculated therefrom with the simulation model for non-measurable variables. An improved simulation is achieved in such a way that in a further simulation model higher-frequency changes are calculated from variables which are measurable per se and are considered in the calculation of the evaluation variable by superimposing with the actual measured values or that in the simulation model higher-frequency changes are calculated from variables which are measurable per se and are considered in the calculation of the evaluation variable  $w$  by superimposing with the actual measured values.

Fig. 1